PATENT COOPERATION TREATY

From the

To: PATRICK G. BURNS GREER, BURNS & CRAIN, LTD. 300 S. WACKER DRIVE, SUITE 2500 CHICAGO, IL 60606		Date of mailing (day/month/year)	PCT ITTEN OPINION OF THE ONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below				
1201.68290	The majoral filing data	(dm/month/near)	Priority date (day/month/year)			
International application No.	International filing date					
PCT/US04/29857 International Patent Classification (19C) or both national classifica		09 September 2003 (09.09.2003)			
IPC(7): G06K 9/00 and US Cl.: 38	32/131					
Applicant						
THE BOARD OF TRUSTEES OF	UNIVERSITY OF ILLINOIS					
1. This opinion contains indication	ons relating to the following ite	ms:				
Box No. I Basis	of the opinion					
Box No. II Prior	ity					
Box No. III Non-	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack	Lack of unity of invention					
Box No. V Reason applies	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certa	ain documents cited	documents cited				
Box No. VII Certa	Certain defects in the international application					
Box No. VIII Centa	ain observations on the internat	ional application				
2. FURTHER ACTION						
International Preliminary Ex	amining Authority ("IPEA")	except that this doe n IPEA has notified t	l be considered to be a written opinion of the s not apply where the applicant chooses an the International Bureau under Rule 66.1bis(b) sidered.			
EDEA - maister conty togeth	or where appropriate with a	mendments, before	IPEA, the applicant is invited to submit to the the expiration of 3 months from the date of riority date, whichever expires later.			
For further options, see Form						
3. For further details, see notes	to Form PCT/ISA/220.					
Name and mailing address of the ISA/ US Authorized officer						
Mail Stop PCT, Attn: ISA/US		Anand Bhatnag	gar / ////			
Commissioner for Patents P.O. Box 1450		0	671 A72 7416 (Y			
Alexandria, Virginia 22313 Facsimile No. (703)305-3230	571-172-7416					
Form PCT/ISA/237 (cover sheet) (January 2004)		• 1			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/29857

Box No	o. I Basis of this opinion			
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).			
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
a.	type of material			
	a sequence listing			
	table(s) related to the sequence listing			
b.	format of material			
	in written format			
	in computer readable form			
c.	time of filing/furnishing			
	contained in international application as filed.			
	filed together with the international application in computer readable form.			
	furnished subsequently to this Authority for the purposes of search.			
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
4. Addit	ional comments:			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/29857

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims	1-41	YES	
Novelly (14)		NONE	NO	
	Otumes			
Inventive step (IS)	Claims	1-41	YES	
•	Claims	NONE	NO	
Industrial applicability (IA)	Claims	1-41	YES	
	Claims	NONE	NO	
the feature of "performing digital image coordinate to transformations being chosen to account for view-and and for the Fourier characteristics of the intermediate produced in step (b) to produce aggregate intermediate claim 19, the prior art does not teach or fairly sugge images, the location of samples being chosen to acco- characteristics of the intermediate images" and "agg- aggregate intermediate images," those, in combination teach or fairly suggest the feature of "performing dis-	ransformation gles of the pro- e-images" and ate images," the st the feature of the vice regating selection with the other intermediate intermediate in the state of the state	cause the prior art does not teach or fairly suggest, regists on selected intermediate images, the parameters of objections from which the intermediate images have been aggregating subsets of the transformed intermediate cose, in combination with the other claim limitations. Of "performing digital image resampling on selected in the selected projections and for the Fouriet described subsets of the resampled intermediate images to proher claim limitations. Regarding claim 30, the prior and coordinate transformations on upsampled/downsampled mages produced in step (c) to produce aggregate intermediate images to produce aggregate intermediate images to produce aggregate intermediate images produced in step (c) to produce aggregate intermediate.	en produced, e-images Regarding ntermediate ier roduce rt does not intermediate	